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PALO ALTO

AMATEUR RADIO
STATION W6QTX

VOL. XVIII

1974

PAARA GRAPHS

PALO ALTO AMATEUR RADIO ASSOCIATION, INC.

MENLO PARK CIVIL DEFENSE RADIO CLUB, K6YQT

Jul-Aug. 74

PAARAGRAPHS-- The Official Organ of the Palo Alto Amateur
Radio Association and the Menlo Park CD Radio Club.
Volume 18 No. 8 August 1974

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 V. Pres. Mike Eccles G3PPE/W6
 Sect'y Hal Moore W6DEF
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 V. Pres. Bob Baum W6BFH
 Sect'y/Treas Hal Moore W6DEF
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Assistant: Steve Montoya WN6DQU

Trustee K6YQT and Menlo Park Radio Officer Bob Allen W6WQD

POLICIES: Membership includes subscription to PAARAGRAPHS
 Annual dues are a mere \$4.00
 Sustain your subscription to PAARAGRAPHS at \$1.00.
 Kindly make your dues on a calendar year basis.
 We accept your money any and all the time, tho.

PAYMENT AND CHECKS GO TO

PAARA P.O. Box 911 Menlo Park Calif 94025

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SAVE yourself useless hours at the publishing house!

Send me your latest Hot Scoops and articles, letters,
 advertisements, notes, jots, drawings, etc., and I'll
 print it here for thousands to see! (well, almost...)

SENDS YOUR ARTICLES TO: Rick Ferranti WA6NCX 1234 Santa
 Cruz Avenue, Menlo Park, Ca 94025 415-324-1539

PAARA PICKIN'S ----- NEWS, ANNOUNCEMENTS, LOTS A GOOD STUFF

OUR NEXT MEETING is on Friday, August 2, 1974, the regular meeting time and day of the first Friday of the Month. Time is 7:30 PM, location is the illimitable Menlo Park Recreation Center, near the police station and library.

PROGRAM: This one is put on by YOU, the eager PAARA member. Yes, since our program committee decided it was time for a vacation and all leads were exhausted, we're having a SHOW AND TELL!!! Bring your best homebrew piece of gonk and tell your fellow radio nuts all about it. Or tell of some sort of antenna design project that would be too big to bring. Or sit back and listen to how the other guy's built his project. Also, your presence is requested to foster more communication inside the confines of the club. Get to know the person sitting in front of you. Come for a relaxing evening.

COFFEE ***** TEA ***** COOKIES ***** EYEBALL QSO'S ***** INFO
EVERYBODY WELCOME!!!
*****-----*****

The Board of Directors will meet on Wednesday, August 7, 1974, in the Early Egyptian trailer located in the SRI parking lot, 333 Ravenswood Avenue, in Menlo Park. Come and see who's who in the exciting PAARA group.

*****-----*****

MARK THIS DOWN ON YOUR CALENDAR!!!! (right NOW) PAARA is having the best AUCTION ever -- with flea market!!! It will be OCTOBER 4 in the Ampeg Cafeteria. Get your stuff ready -- that's only 2 months away. Also -- do you have anything you don't want to sell -- but want to get rid of?? (never end a sentence with a preposition). Then at the next meeting, contact Fred K6YT or Andy VE3FZK/W6 and arrange for a donation to the club. Make the XYL happy and get rid of your excess stuff -- give it to PAARA! We'll get it to someone who wants it and make a few slippery cents... all at the PAARA AUCTION --- FRIDAY OCT. 4, 1974!!!

MORE PAARA PICKIN'S AND NEWS **** ITEMS FOR SALE OR WANTED

THE PAARA NET meets every Monday nite at 8:15 PM local time for the sole purpose of chewing the rag. We've had quite a few stations on lately but can always use more. Put that twoer together -- otherwise get yourself a Gooney Bird -- or even build up one of the solid state transmitters Andy is selling boards for -- and JOIN US DOWN ON 145.24 MHz. Fred Canham, our president and wielder of the call K6YT has the 8mHz rocks for the net. We'd like to see you there.

*****-----*****-----*****

Do you have a message for a distant relative?? Want to wish a friend happy birthday??? Then get in touch with Hal Moore, W6DEF, our Emergency Coodnator and long time member of the Northern California Net. He will handle traffic for you and he does a darn good job -- so see him at the next meeting or get him on the Monday night net if you have some traffic.

*****-----*****-----*****

Andy, VE3FZK/W6, showed the club transmitter would work and Bob, W6BFH copied him -- making two club transistORIZED rigs in operation. BFH put it together with a modified weather receiver, 162 MHz, padded down to 144 MHz, and used it in the 4th of July parade in Redwood City. Ed, W6AIN, helped operate. The send-receive switch was a beast so Ed held the rig while Bob switched.

The receiver draws 20 ma. and the transmitter 120 ma. The transceiver is operated from a battery of NI-CAD cells and the rig will operate for hours. Longer-winded folk have proportionately less talk-time!

Bob admits that his little reciever lacks sensitivity and the transmitter doesn't have the power of Andy's, but it worked faultlessly during the parade on a 19" whip.

*****-----*****-----*****

W1AW recently stated that of 42,000 complaints of RFI, 34,000 were deficiencies in HiFi gear, 3,600 were due to our lovely CB band and only 400 were from hams. Rah!

STUFF FOR SALE ***** BUY IT HERE ***** ALL GOOD GONK ***

For Sale: Hallicrafters SX-111 SSB receiver. 80-10 meters ham band only, huge bandspread, selectivity selectable from 5 kHz to .5 kHz in five steps. Notch filter, selectable upper or lower sideband, switchable agc and built-in product detector -- rock stable. With 10 mHz WWV band and crystal calibrator. Sensitivity is $\frac{1}{2}$ microvolt right to 10 meters. Immaculate shape with no modifications, speaker and manual -- \$95.00. Will deliver within reasonable distances. Call 415-324-1539 or write Rick Ferranti, WA6NCX, 1234 Santa Cruz Avenue, Menlo Park, Ca. 94025. Need the money to buy a sideband transceiver.

For sale: Gonset GSB 201 1500 W PEP Amplifier. 50-100 watts in. Asking \$180.00 or best offer. Eric Reese WB6KQX 366-9994 after 7:00 or 591-7113 at work.

For Sale -- excellent Collins gear ----
 75S3B s/n 16881 with .5 and 2.1 filters -----\$420.00
 32S3 s/n 12890, with power supply ----- \$488.00
 30L1 ----- \$335.00

ANTENNA PACKAGE TWO YEARS OLD

Hy-Gain TE3-MK2

Tri-Ex model W25 (25' crankup tower) with RCB base mount and TB2 thrust bearing.

Ham-M rotor ---- you must disassemble , total deal \$295.00

MAKE OFFER Miscellaneous gear MAKE OFFER

Heath tunnel dipper ---- Heath HM-15 SWR bridge ---

Shure model 444 microphone --- Simpson model 260 VOM ---

Shopsmith model 10E with accesories --- MAKE OFFER

These items are from the estate of W6SUZ. If you are interested please contact Fred, K6YT, home phone 415-948-9238 and during the day at work -- 415-828-9200 ext 261. If you would rather have Drake gear -- buy my Drake R-4B and T-4XB and I'll buy the Collins --- K6YT.

FOR SALE con't

For sale - Heath HR-10B 80-10 meter Ham Band Receiver.
 New--70.00 Call John Gomperts --- Days
 324-0229, eves, 365-1410 --- WN6ATL

-----*****-----

DID you know that Ye Editor has been putting out
 this beloved newsletter for one (count'em One) full
 year now?? In appreciation, you are all required to
 read this terribly clever poem:

An Editor knocked at the Pearly Gate
 His face was seared and cold
 He came to seek St. Peter's nod
 For admission to the fold
 "What have you done," St. Peter asked
 "To gain admission here?"
 "I've been an Editor, sir" he said
 "For many and many a year."
 The Pearly Gates swung open wide
 St. Peter touched his bell.
 "Come in," he said, "and choose your harp,"
 "You've had your share of hell."

--- Anonymous, via the
 Misc. Glop Dept.

For sale -- Riders Manuals Vols 1-23 Incl. Ex cond.
 Best offer -- H. Buhlert 875 Sunset Dr. Dixon Ca

95620

REPORTS ON...

...BOARD MEETING, JULY 17, 1974

Meeting called to order by Fred K6YT at 1940 local time. Present: Bob W6BFH, Fred K6YT, Paul Thekan, Mike G3PPE/W6, Terry WB6GRZ, Rick WA6NCX, Andy VE3FZK/W6, Hal W6DEF. Guests: John Cameron, Gary Owens, Stacey Wright -- representatives of the C/B organization called Monitors. Gary made a report stating that their headquarters station was at the Sequoia Region American Cross, 3540 Middlefield Road, Menlo Park. Their monthly meetings are on the last Wednesday of each month at 2000 local time at the Red Cross. They use channel 11 which is at 27.085 MHz and the Red Cross station wagons are equipped with 47.42 MHz. Any of our members interested in a closer relationship (?) with this group for Civil Defense purposes are invited to attend a meeting of their group. Bulletins will be exchanged.

Mike reported that he will see the printer on Thurs. July 16 and the signs should be ready.

Field Day was discussed at great length. A tentative report was that we made 1365 contacts. The CCRC will have a meeting on August 3 at which time the winner of the inter-club contest will be announced. Motion was made, seconded, and approved that the club acquire for \$25.00 the hand cranked generator from Andy for use in operating a QRP outfit. This will be utilized for emergency purposes.

The next meeting will feature a "show and tell" discussion. The annual auction (flea market) sale will be held at the Ampex Cafeteria October 4th.

Secretary Hal W6DEF

...THE JULY 4TH PARADE COMMUNICATIONS SERVICE

In Redwood City, Calif., one hundred thousand people lined the streets to see what was possibly the best Fourth of July Parade ever. Drum and Bugle Corps came from as far away as Seattle, Auburn, Bellevue, Washington, and Salem, Oregon. There were almost 300 units in the five divisions which had beautiful floats, bands, majorettes, drill teams,

and mounted patrols. The cliché "Bigger and Better Than Ever" was no idle advertising gimmick in this case.

As we have done in years past, the Redwood City Civil Defense and Disaster Communications Service under the leadership of our radio officer Dick Collins K6ANN helped to furnish communications. We used RACES procedure, the call used being W6WWJ/6. We used two meters, 145.49 MHz and the stations were located in the staging area and at the reviewing stands along the parade route.

We were set to go a little after 0900 and the last unit passed the reviewing stand at the County Gov't Center at 1300. Our duties consisted mostly of keeping the judges and the P.A. System announcers informed as to last minute changes. Of course the usual lost children were accounted for. The Pacific Celebrations Association, the sponsors of the parades in Redwood City, have thanked us. Dick also expressed his appreciation to all those who took part saying that this was the smoothest operation he has ever participated in.

Ham operators taking part included: Lee WB6BJB, Rick WA6NCX, Bob W6BFH, Ed W6AIN, Dusty K6MPN, Ken K6DRN, Bob K6UKF, Jim WA6NIL, Joe W6GYX, Bob W6VQV, Andy VE3FZK/W6, Dick K6ANN, and Hal W6DEF.

Hal Moore W6DEF
Emerg. Coord.
Redwood City/Menlo Park

...THE S.E.T.

The results of last January's Simulated Emergency Test have been published in the July issue of QST. Our score was 431 -- the highest in the Pacific Division. That really does not represent much though as there were only nine reports from the Division.

Our 1974 score was 63 points less than the 1973 rating, so according to the ARRL we lost. They say that the only contest is with the previous year's score. There is no competition between communities.

At K6YQT the crew had an interesting operation and it was a good experience.

On another topic: one of our members took to his feet and stated that he was a member of a Citizen band group who are civil defense minded. He said that when he made the announcement that perhaps he should be standing close to the exit. Anyhow he said that he thought there should be cooperation between our RACES/AREC group and this CB group. Cooperation is a wonderful word but just how do we go about it in a practical manner? The Army MARS made a statement that they were for cooperation with the local RACES/AREC groups. That was early in the year, and up until now not a move in that direction has been taken. Such a thing as handling messages between the groups would be the ideal thing to do but we all get fed up with the practice messages that hold no meaning except as a means of practice.

So that is the situation and as the Emergency Coordinator do not know how the "cooperation" mentioned shall be accomplished.

73

Hal W6DEF

... FIELD DAY

Twenty three fun loving people participated in our field day operation and they helped to make 1339 total QSO's with four transmitters in simultaneous operation. Our DC input modifier was 2 so our score (less bonus pts.) was 2678 (wow!). The power source was a generator.

Here is the breakdown:

Band	# of QSO's	Transmitter	DC Input
80 c.w.	58	T4XB	180
75 ph.	160	Swan 350	200
40 C.W.	55	T4XB	180
40 ph.	160	HW 100	150
20 c.w.	116	T4XB	180
20 ph.	276	Swan 350	200
15 c.w.	109	T4XB	180
15 ph.	161	HW 100	150
6 ph.	16	HX 30	125
2 ph	94	Sidewinder	20

A novice position was used under the call sign WN6ATL so 1205 total QSO's plus 134 novice QSO's gave us 1339 final

Because of the transmitter class we scored 400 pts on 100% Emergency power, 50 pts. for publicity, and 50 pts. for Message Orig. And add to that 100 bonus points for a QSO with Tempo FM two meter rig powered by hand cranked 12v generator.

*** Thus endith the reports ***

AN IDEA BY A CLUB MEMBER CONCERNING FIELD DAY...

...Field Day Soliloquy -- by A. Ham

One purpose of our club participating in field day is to amass more points than the other peninsula club stations (per formula). We have done well in this, but have not been the leader. We seem to come up "close but no cigar". It could be that we do not have the necessary dedication of enough members, and also have some diversion.

So perhaps some should reassign our priorities to our practices and go for the 27 hour period with setup during this time. Maybe this would limit us to inverted v (dipole) antennae. All general hamming and experimenting is ruled out by the 27 hour deal.

While this may or may not give us more points, it could be a field day that is less tiring (exasperating) and more fun. -- So 1975, maybe.

*** What say, guys? Any Feedback?

HAM TINKERING

by Jerry WA6LIJ

In this time of recycling it is comforting to note that one need no longer dispose of the cardboard tube center of a roll of toilet paper. Follow the example of Sy WA6ROM and use the cylinder temporarily to hold cords of drills, soldering irons, etc. Fold cords in shanks of seven inches and push into cylinders.

A linch coil spring about 14 inches long fastened to a peg board or wall makes an excellent holder for patch cords. An old tie rack or coat hanger with clothes pins clamped on the horizontal bar performs the same purpose.

For a more effective ground post place a five inch

diameter drain tile in ground about ten inches below the earth's surface and insert the ground rod through the tile. The tile tends to hold moisture and hence improves ground connection. While we are on this topic, this author has successfully inserted a ground rod to a depth of 13 feet with the aid of a $\frac{1}{2}$ " pipe connected to a garden hose. It sure takes the sledge out of a hammer.

Empty tuna fish cans make excellent soldering iron holders.

When installing electrical accessories or wires in the engine compartment or underneath the car, an undercoating applied with a putty knife holds them firmly and avoids drilling, clips, and adds insulation.

An old drafting table light provides an excellent holder for a microphone. It is flexible, mobile, and it frees the hands for tuning, talking, or other activities.

A child's tricycle license name plate makes a novel name tag. Or a flat stone on a rope tie also lends itself to a different call sign/name tag design.

Modeling clay available from any hobby shop provides the basic material for an excellent holder for soldering or assembly of small objects.

An old toothbrush handle when properly ground makes an excellent alignment tool.

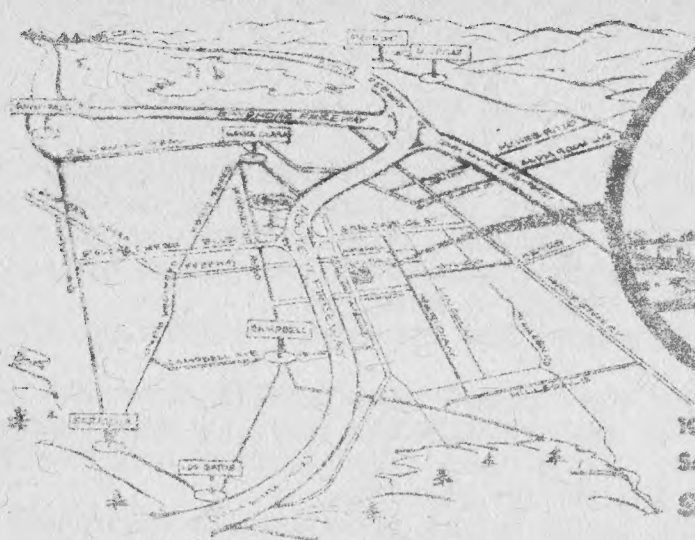
An old hacksaw blade is great for scraping and cleaning wires when soldering.

Most of the above ideas were derived from Science and Mechanics "1001 'How To' Ideas", 1962. As long as there is interest, I will try to continue to write this column. So when you see a new gimmick or a "clever cludge with clout" tell me about it and we will try and share it with fellow electron chasers.

TV CAMERAS, NEW. - SPECIAL PRICE TO HAMS - BOB ALLEN W6WQD

Home phone: 493-6146 Work: 326-6200 ext. 2219

MDARC is having their "last annual" family picnic and swapfest auction. Rogers-Smith Park Pleasant Hill
Date: August 25, 1974. Starts at ten AM and ends at 5:00 PM. Detail sheets at next meeting of PAARA
By the way -- go to this and buy stuff to sell at OUR Auction!!!!



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